

Lake District National Park

Forecast valid from 06:00 on Tuesday 19 Jan 2021 until 23:59 on Wednesday 20 Jan 2021

Forecast Issued on Tuesday 19 Jan 2021 at 02:57

Confidence: High for generally wet weather over the coming days but some uncertainty on exact location. High for drier conditions by the end of the week.

Headline for Tuesday 19 Jan 2021: Heavy rain and low cloud throughout the day.

Mountain weather hazards on Tuesday 19 Jan 2021

Blizzards

No Likelihood

Gales

No Likelihood

Thunderstorms

No Likelihood

Heavy Snow

No Likelihood

Severe chill effect

Low Likelihood

Heavy persistent rain

Low Likelihood

Storm force winds

No Likelihood

Poor visibility

Medium Likelihood

Strong sunlight

No Likelihood

Weather and chance of precipitation at 800m					
Time					
06:00	09:00	12:00	15:00	18:00	21:00
					
Heavy Rain	Sleet	Heavy Rain	Heavy Rain	Heavy Rain	Heavy Rain
Precipitation probability					
90%	90%	90%	60%	80%	80%

Forecast for Tuesday 19 Jan 2021

Weather: Heavy, persistent rain is expected throughout the day with low cloud across the area.

Chance of cloud free mountain/hill tops above 800m: 10%

Visibility: Moderate or poor with cloud bases 400-600m and persistent rainfall.

Forecast for Tuesday 19 Jan 2021

Height (m)	Wind Speed mean/gusts (mph)				Wind Direction (blowing from)		
	06:00	09:00	12:00	15:00	18:00	21:00	00:00
900	16/19 W	12/15 W	13/17 S	14/20 SE	23/30 S	31/40 SW	32/42 W
600	11/13 W	8/11 W	7/10 S	9/13 SE	13/20 S	21/31 SW	23/33 SW
300	2/11 NW	1/9 W	1/8 S	3/11 E	4/17 SW	7/24 SW	9/26 SW
Valley	2/11 NW	1/6 NW	1/5 E	2/7 NE	4/12 S	8/21 SW	9/22 SW

Height (m)	Temperature / Feels Like (°C)						
	06:00	09:00	12:00	15:00	18:00	21:00	00:00
900	2/-4	1/-4	1/-4	2/-3	3/-3	4/-3	4/-3
600	3/-1	3/-1	2/-1	3/-0	4/0	5/0	5/0
300	5/4	4/3	4/3	5/3	5/4	6/4	6/4
Valley	6/6	6/5	6/4	6/5	6/5	7/5	7/5
Freezing Level*	1200m	1000m	1000m	1500m	1700m	1700m	1700m

*Level above which ground is expected to be frozen/snow is expected to settle.

Meteorologist's View

Nothing to add.

Forecast for Wednesday 20 Jan 2021

Weather: Low cloud persisting with heavy rain feeding in from the west. Rain easing during the afternoon, although perhaps falling as sleet and snow for a time, then turning dry during the evening with skies clearing.

Maximum wind: Westerly becoming northwesterly 10-15 mph.

Chance of cloud free mountain/hill tops above 800m: 10-20% but increasing to 80% by late evening.

Visibility: Moderate or poor with cloud bases around 400-500m, good by late evening.

Temperature: **Valleys:** Plus 2 Celsius.

At 800m: Plus 2 falling to minus 4 Celsius by the evening.

Freezing level: Above summits, falling to 400-600m during the afternoon.

Ground Conditions Supplement

Date: Monday 18 January 2021. Location: Helvellyn summit at 13:00. Full report: We are continuing to provide the Fell Top Reports for people undertaking their daily local exercise during the lockdown. We would like to remind everyone that Government guidance stipulates that people should only exercise locally, not leaving the village, town or city where they live. Fresh snow fell overnight and settled above c750m. However, there was a slow daytime thaw at virtually all levels with almost constant light rain and drizzle. This was only falling as a mixture of hail, sleet and rain at summit level where the temperature at 1pm was marginally below zero degrees. There are small isolated patches of avoidable snow from 500m and these grow in number and size with altitude with the main snow line being around 700m. The snow pack was soft and very wet with the only exceptions being at summit level, where there was some hard snow, and where snow had previously been compacted on popular routes. Ice was also present in similar locations. Snow depth varied from little on windswept areas, such as parts of the summit plateau, to drifts of over a meter in sheltered spots and hollows and on generally N to E facing slopes, although such depth is the exception. There are cornices above N and E facing slopes. The ones over the headwall of Helvellyn appeared to consist (I did not get too close!) of soft snow with a hard crust. Therefore please keep well clear of such edges and advise those with less experience to do likewise. Full winter clothing (waterproofs, extra warm layers, hat and gloves), mountain boots and equipment are all essential for anyone going out onto the fells. Although the snow pack is currently soft, for those venturing above the snowline, an ice axe is essential and crampons must be carried. This is simply because it will only take a marginal drop in temperature for the considerable amount of snow to harden and for a slip without the means to stop yourself having serious consequences. Crampons were useful today on the flat summit plateau owing to the amount of ice. Goggles are highly recommended to lessen the sting of hail and spindrift. For thinner ice on paths, microspikes and poles are extremely useful. Deep snow obscuring landmarks combined with low cloud demands excellent navigational skills as paths cannot simply be followed and steep drops are far less obvious, so please be conservative with your plans and know your limits. With Cumbria under a yellow warning for rain all day, Tuesday unfortunately won't be the best day to be out anyway!! Temperature: minus 0.3 C, Maximum wind speed 29.8 mph, Wind chill: minus 9.6 C, Average wind speed: 24.4 mph

Issued at: 02:57 on Tue 19 Jan 2021